

Amendments to the Specification:

Please replace the paragraph beginning at page 3, line 7 with the following amended paragraph:

FIG. 2 ~~shows an~~ shows an equalizer;

Please delete previous abstract at page 16 and add the following amended abstract:

An in-phase and quadrature (IQ) [[IQ]] imbalance error-correction method includes estimating, on the basis of a constellation error in a received orthogonal frequency division multiplexing (OFDM) [[OFDM]] signal, an extent of an I/Q imbalance error, caused by direct IQ conversion of the received OFDM signal. On the basis of that extent, an equalizing transformation that reduces that error is estimated.